RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/435,257B

DATE: 08/10/2001
TIME: 12:13:07

Input Set : A:\385A US.ST25.txt
Output Set: N:\CRF3\08102001\I435257B.raw

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 3 <110> APPLICANT: President and Fellows of Harvard College
 5 <120> TITLE OF INVENTION: FK506-based regulation of biological events
 7 <130> FILE REFERENCE: ARIAD 385A US
 9 <140> CURRENT APPLICATION NUMBER: US 09/435,257B
C--> 10 <141> CURRENT FILING DATE: 1999-11-05
12 <160> NUMBER OF SEQ ID NOS: 34
14 <170> SOFTWARE: PatentIn version 3.0
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 14
18 <212> TYPE: PRT
19 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <221> NAME/KEY: BINDING
23 <222> LOCATION: (1)..(14)
24 <223> OTHER INFORMATION: membrane binding domain
27 <400> SEQUENCE: 1
29 Met Gly Ser Ser Lys Ser Lys Pro Lys Asp Pro Ser Gln Arg
30 1               5                  10
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 4
34 <212> TYPE: PRT
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <221> NAME/KEY: BINDING
39 <222> LOCATION: (1)..(4)
40 <223> OTHER INFORMATION: organelle targeting domain
43 <400> SEQUENCE: 2
45 Lys Asp Glu Leu
46 1
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 4
50 <212> TYPE: PRT
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <221> NAME/KEY: BINDING
55 <222> LOCATION: (1)..(4)
56 <223> OTHER INFORMATION: organelle tagreting domain
59 <400> SEQUENCE: 3
61 His Asp Glu Leu
62 1
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 42
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <221> NAME/KEY: misc_structure
71 <222> LOCATION: (1)..(42)
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ENTERED

RAW SEQUENCE LISTING   DATE: 08/10/2001
PATENT APPLICATION: US/09/435,257B   TIME: 12:13:07

Input Set : A:\385A US.ST25.txt
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 72 <223> OTHER INFORMATION: hCNA cloning oligo.12
 75 <400> SEQUENCE: 4
 76 cgggcccccc ctcgagtcta cgaccgacag ggtggtgaaa gc                    42
 79 <210> SEQ ID NO: 5
 80 <211> LENGTH: 41
 81 <212> TYPE: DNA
 82 <213> ORGANISM: Artificial Sequence
 84 <220> FEATURE:
 85 <221> NAME/KEY: misc_structure
 86 <222> LOCATION: (1)..(41)
 87 <223> OTHER INFORMATION: hCNA cloning oligo.340
 90 <400> SEQUENCE: 5
 91 atataaatcg ctcgagccat actggcttcc aaatttcatg g                     41
 94 <210> SEQ ID NO: 6
 95 <211> LENGTH: 44
 96 <212> TYPE: DNA
 97 <213> ORGANISM: Artificial Sequence
 99 <220> FEATURE:
100 <221> NAME/KEY: misc_structure
101 <222> LOCATION: (1)..(43)
102 <223> OTHER INFORMATION: hCNA cloning oligo.350
105 <400> SEQUENCE: 6
106 atataaatcg ctcgagttta cttggtccct tccatttgtt gggg                  44
109 <210> SEQ ID NO: 7
110 <211> LENGTH: 58
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <221> NAME/KEY: misc_structure
116 <222> LOCATION: (1)..(58)
117 <223> OTHER INFORMATION: hCNA cloning oligo.370
120 <400> SEQUENCE: 7
121 ccagtagggt ctagatctgg gcccacgata taagtcgacg ttgaggacat ttaccagc    58
124 <210> SEQ ID NO: 8
125 <211> LENGTH: 9
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <221> NAME/KEY: misc_structure
131 <222> LOCATION: (1)..(9)
132 <223> OTHER INFORMATION: overlapping Xbal and BglII sites
135 <400> SEQUENCE: 8
136 tctagatct                                                          9
139 <210> SEQ ID NO: 9
140 <211> LENGTH: 63
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <221> NAME/KEY: misc_structure
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RAW SEQUENCE LISTING   DATE: 08/10/2001
PATENT APPLICATION: US/09/435,257B   TIME: 12:13:07

Input Set : A:\385A US.ST25.txt
Output Set: N:\CRF3\08102001\I435257B.raw

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146 <222> LOCATION: (1)..(63)
147 <223> OTHER INFORMATION: hCNA cloning oligo.394
150 <400> SEQUENCE: 9
151 ttaatctaga tcttcacttg tcatcgtcat ctttatagtc gacctctttc cgggctgcag        60
153 ctg                                                                       63
156 <210> SEQ ID NO: 10
157 <211> LENGTH: 41
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <221> NAME/KEY: misc_structure
163 <222> LOCATION: (1)..(41)
164 <223> OTHER INFORMATION: hCNB cloning oligo.2
167 <400> SEQUENCE: 10
168 atataaatcg ctcgagggaa atgaggcaag ttatcctttg g                            41
171 <210> SEQ ID NO: 11
172 <211> LENGTH: 38
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <221> NAME/KEY: misc_structure
178 <222> LOCATION: (1)..(38)
179 <223> OTHER INFORMATION: hCNB cloning oligo.3
182 <400> SEQUENCE: 11
183 atataaatcg ctcgagaatg aggcaagtta tcctttgg                                38
186 <210> SEQ ID NO: 12
187 <211> LENGTH: 65
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <221> NAME/KEY: misc_structure
193 <222> LOCATION: (1)..(65)
194 <223> OTHER INFORMATION: hCNB/FLAG cloning oligo
197 <400> SEQUENCE: 12
198 ttaatctaga tctgggccct cacttgtcat cgtcatcttt atagtcgacc acatctacca        60
200 ccatc                                                                     65
203 <210> SEQ ID NO: 13
204 <211> LENGTH: 116
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <221> NAME/KEY: misc_structure
210 <222> LOCATION: (1)..(116)
211 <223> OTHER INFORMATION: hCNA template linkers
214 <400> SEQUENCE: 13
215 cgatttatat gggccctcta gatctagaac cagaaccaga accagaacca gaaccagaac        60
217 cagaaccaga accagaacca ccagaaccag aaccaccgtt gaggacattt accagc          116
220 <210> SEQ ID NO: 14
221 <211> LENGTH: 58
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RAW SEQUENCE LISTING   DATE: 08/10/2001
PATENT APPLICATION: US/09/435,257B   TIME: 12:13:07

Input Set : A:\385A US.ST25.txt
Output Set: N:\CRF3\08102001\I435257B.raw

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222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <221> NAME/KEY: misc_structure
227 <222> LOCATION: (1)..(58)
228 <223> OTHER INFORMATION: CNA-CNB linker oligo.1
231 <400> SEQUENCE: 14
232 gaatcgcaaa tctagatctg ggcccgtcat ctttatagtc gacaccagaa ccagaacc        58
235 <210> SEQ ID NO: 15
236 <211> LENGTH: 58
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <221> NAME/KEY: misc_structure
242 <222> LOCATION: (1)..(58)
243 <223> OTHER INFORMATION: CNA CNB linker oligo.2
246 <400> SEQUENCE: 15
247 gaatcgcaaa tctagatctg ggcccgtcat ctttatagtc gacagaacca gaaccaga        58
250 <210> SEQ ID NO: 16
251 <211> LENGTH: 72
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <221> NAME/KEY: misc_signal
257 <222> LOCATION: (1)..(72)
258 <223> OTHER INFORMATION: CNA 370 linker oligo
261 <400> SEQUENCE: 16
262 ggtggttctg gttctggtgg ttctggttct ggttctggtt ctggttctgg ttctggttct        60
264 ggttctggtt ct                                                           72
267 <210> SEQ ID NO: 17
268 <211> LENGTH: 24
269 <212> TYPE: PRT
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <221> NAME/KEY: PEPTIDE
274 <222> LOCATION: (1)..(24)
275 <223> OTHER INFORMATION: CNA 370 linker
278 <400> SEQUENCE: 17
280 Gly Gly Ser Gly Ser Gly Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser
281 1               5                   10                  15
283 Gly Ser Gly Ser Gly Ser Gly Ser
284             20
286 <210> SEQ ID NO: 18
287 <211> LENGTH: 21
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <221> NAME/KEY: misc_feature
293 <222> LOCATION: (1)..(22)
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RAW SEQUENCE LISTING   DATE: 08/10/2001
PATENT APPLICATION: US/09/435,257B   TIME: 12:13:07

Input Set : A:\385A US.ST25.txt
Output Set: N:\CRF3\08102001\I435257B.raw

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294 <223> OTHER INFORMATION: CNA primer.1
297 <400> SEQUENCE: 18
298 gtcgacagaa ccagaaccag a                                   21
301 <210> SEQ ID NO: 19
302 <211> LENGTH: 21
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <221> NAME/KEY: misc_feature
308 <222> LOCATION: (1)..(22)
309 <223> OTHER INFORMATION: CNA primer.2
312 <400> SEQUENCE: 19
313 gtcgacacca gaaccagaac c                                   21
316 <210> SEQ ID NO: 20
317 <211> LENGTH: 6
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <221> NAME/KEY: misc_feature
323 <222> LOCATION: (1)..(6)
324 <223> OTHER INFORMATION: Sall Site
327 <400> SEQUENCE: 20
328 gtcgac                                                     6
331 <210> SEQ ID NO: 21
332 <211> LENGTH: 5
333 <212> TYPE: PRT
334 <213> ORGANISM: Artificial Sequence
336 <220> FEATURE:
337 <221> NAME/KEY: PEPTIDE
338 <222> LOCATION: (1)..(5)
339 <223> OTHER INFORMATION: GS linker repeats
342 <400> SEQUENCE: 21
344 Gly Gly Ser Gly Ser
345 1               5
347 <210> SEQ ID NO: 22
348 <211> LENGTH: 4
349 <212> TYPE: PRT
350 <213> ORGANISM: Artificial Sequence
352 <220> FEATURE:
353 <223> OTHER INFORMATION: mature CAB peptide fragment
355 <220> FEATURE:
356 <221> NAME/KEY: PEPTIDE
357 <222> LOCATION: (1)..(4)
358 <223> OTHER INFORMATION: mature CAB fragment
361 <400> SEQUENCE: 22
363 Val Asp Thr Ser
364 1
366 <210> SEQ ID NO: 23
367 <211> LENGTH: 66
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VERIFICATION SUMMARY   DATE: 08/10/2001
PATENT APPLICATION: **US/09/435,257B**   TIME: 12:13:08

Input Set : **A:\385A US.ST25.txt**
Output Set: **N:\CRF3\08102001\I435257B.raw**

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34

STATISTICS SUMMARY   DATE: 08/10/2001
PATENT APPLICATION: US/09/435,257B   TIME: 12:13:08

Input Set : **A:\385A US.ST25.txt**
Output Set: **N:\CRF3\08102001\I435257B.raw**

Application Serial Number: US/09/435,257B
Alpha or Numeric: Numeric
Application Class:
Application File Date: 11-05-1999
Art Unit:
Software Application: PatentIn
Total Number of Sequences: 34
Total Nucleotides: 1376
Total Amino Acids: 55
Number of Errors: 0
Number of Warnings: 2
Number of Corrections: 1

MESSAGE SUMMARY

271 C: 1 (Current Filing Date differs)
341 W: 2 ((46) "n" or "Xaa" used)